

10 20 30 40 50 60
ATTTAGTTATAAAATGTTGCTATTTGTTGATCTAGTCTCTGAATCTTTTAGTGAGGCAG
70 80 90 100 110 120
ATGATGAAGATTATGAATTTCTTCATGAAATTTATTTGTAAGAAAAGAACATAGAGAAGCT
130 140 150 160 170 180
GCGGAATGAAAGTACACTGTTCTTTTCACGGAGAAAGATAAATAAGCATTATCTTCTT
190 200 210 220 230 240
CTTCAGTTTTTAACACACATTTTGGAAATTTTGATGTAAATAATCTCTTTGGAACGTTGT
250 260 270 280 290 300
GTTGCTGAAATCTTCCCAAAGGTTCTATCAGAAAGAAAGGATAAAAGTTTCATAGAAAC
310 320 330 340 350 360
CCAATGGACAACAACAACAACAACACTTTTAGTTCTCTGGATAAATGTCATGACTAAC
370 380 390 400 410 420
CAAAATCCTCTTCTCATGGATTTTATACCTTCAAGAGAAGATTCAACTTCATTCTCAACA
430 440 450 460 470 480
ATGCTTCCATGGAATACCATCAGATCAGATCCTCTACAAATGGGTGGCTTTGATATTTTC
490 500 510 520 530 540
AATTCATGCTGACTAACAAATACTTATCATCTTCTCCACGGTCTATCGATGTTCAAGAT
550 560 570 580 590 600
AACCGCAATGTTGAGTTTCATGGCTCCTCCTCATCTCTCCACTTCATCCTTTGGAT
610 620 630 640 650 660
CATTTAAGACACTATGATGATTCTCTCAACAACATGTGGGGTTTTGAAGCAAAATAGTGAG
670 680 690 700 710 720
TTTCAGGCATTTTCAGGTGTAGTTGGTCCCAAGTGAACCAATGATGTCTACATTCCGGTGAA

FIG. 1

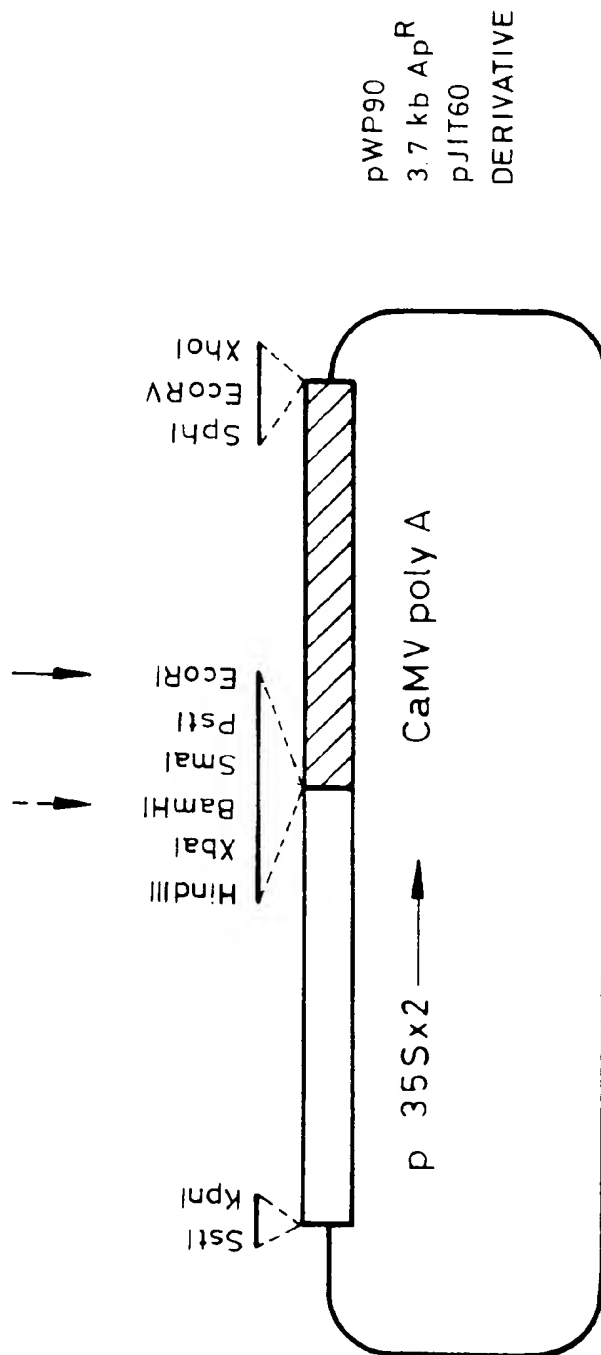
FIG. 1(CONTD)

730	740	750	760	770	780
GAAGATTCCCGTTTCTAATTTCGAATAAAAGAAACAATGAGCTTTCATTGAGTCTTGCA					
790	800	810	820	830	840
TCAGATGTTTCTGATGAATGCTCGGAGATAAGTCTTTGTGCAAGCTACAAGATTAGCCTCA					
850	860	870	880	890	900
GAGCAAGCTTCTTGCAAGCAGCAAGACATTTCTAATAACGTTGTTACTCAAGGTTTCTCT					
910	920	930	940	950	960
CAACTTATATTGGCTCAAAATACCTTCACTCTGTTCAAGAAATACTATCTCATTTTCGCC					
970	980	990	1000	1010	1020
GCATACTCGCTCGATTATTTCATCTCGAGGAACCGAGTCAGGAGCTGCTAGTTCAGCCTTT					
1030	1040	1050	1060	1070	1080
ACTTCACGTTTTCGAAATATAACTGAGTTTCTTGATGGTGATTCTFAATAACTCGGAGGCG					
1090	1100	1110	1120	1130	1140
GGTTTCGGATCTACATTTCAAAGGAGAGCATTAGAAGCAAAGAAACCCATCTCTTGGAT					
1150	1160	1170	1180	1190	1200
CTTCTTCAAATGGTGGATGATCGATATAGTCATTGCGTAGATGAGATTTCATACGGTTATA					
1210	1220	1230	1240	1250	1260
TCAGCGTTCATGCTGCAACCGAGTTAGATCCACAGTTACACACCCGGTTGCCCTCCAA					
1270	1280	1290	1300	1310	1320
ACCGTTTCCTTCTTATACAAGAACCTGAGAGAGAGAATCTGCAATAATAATCTCTATG					
1330	1340	1350	1360	1370	1380
GGATCTGTATTGGAGAGAGGGCAAAGACAAGACTCAAGAAACCTCTATGTTCCACCCAGCAT					
1390	1400	1410	1420	1430	1440

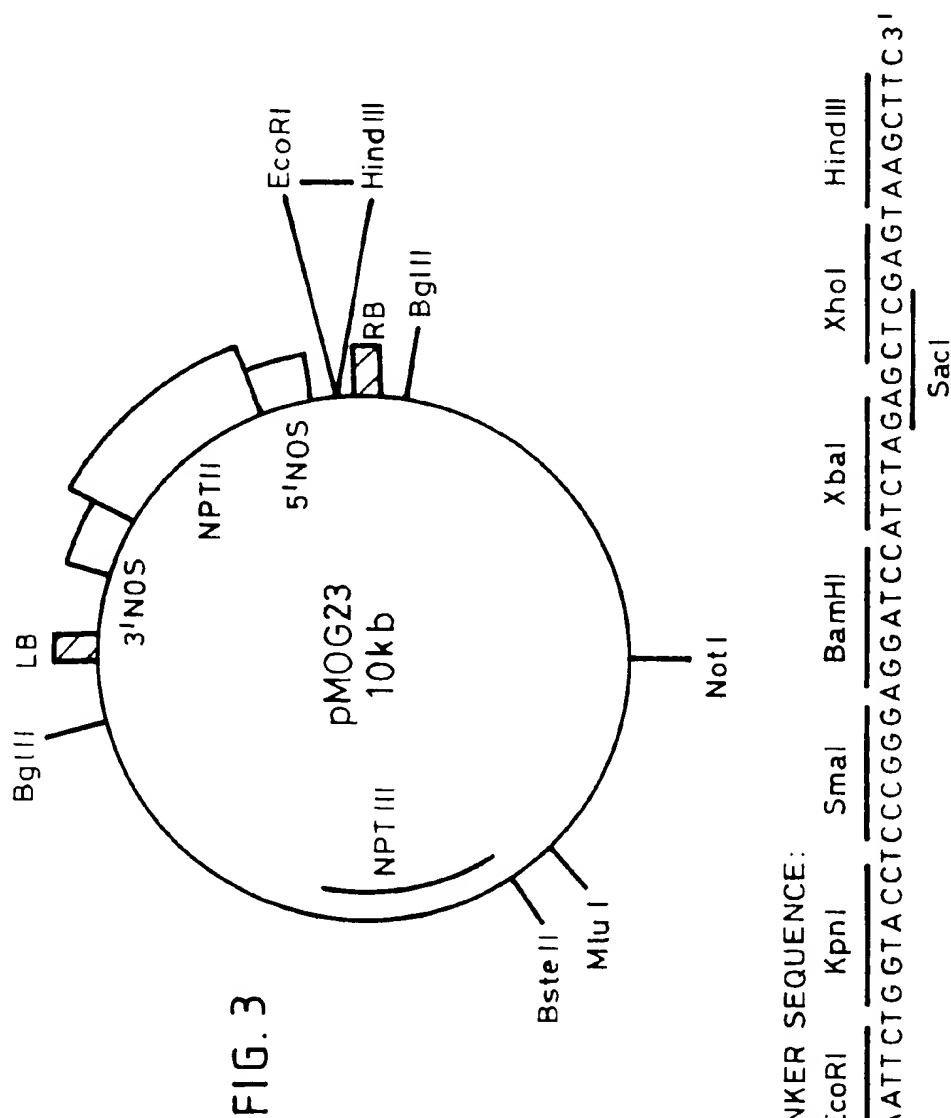
TGCCTTCTTCAGCAGCTGAAACGAAAGAACCATCAGATTGGAGACCTCAACGAGGTTTG
1450 1460 1470 1480 1490 1500
CCTGAGAAATCTGTTTCGGTTCTACGGAATTGGATGTTCCAAAACCTTCCTTCAACCCTTAC
1510 1520 1530 1540 1550 1560
CCGAAAGATTCCGGAGAAACATCTTCTAGCTATACGAAGTGGCTTGACAAGAAAGTCAGGTA
1570 1580 1590 1600 1610 1620
TCAAACTGGTTTATAAATGCGCGGGTTAGGCTATGGAAGCCGATGATAGAAAGATGTAT
1630 1640 1650 1660 1670 1680
GCGGAAATGAACAAGAGGAAGCTCAATAACAGTCACATTCAACCCCAACGGACCAACTCTT
1690 1700 1710 1720 1730 1740
CGAATGCCAAAATCTGTTATGATGAGCCCAAGCAATGCATAAATAAGACAACAATTGTGTT
1750 1760 1770 1780 1790 1800
TACCAACTTTGTGATAATTAGGCAATTGCTACTCTATGATTGCCCAAAACCTAAACCATG
1810 1820 1830 1840 1850 1860
TAGGACTATCATACGTATGTTATAATTGTATATACAACCTCCTTTATCTTTGACTATTTC
1870 1880 1890 1900
ATTTTATTAAAAA

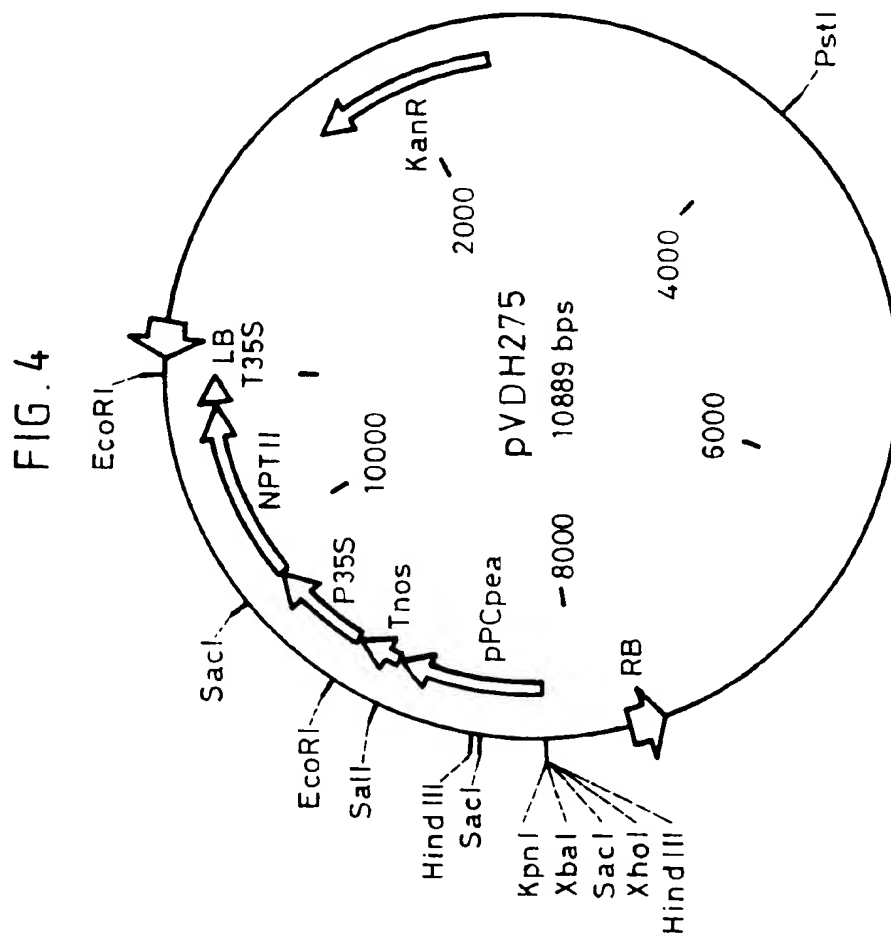
FIG. 1 (CONT'D)

FIG. 2



pWP90
3.7 kb Ap^R
pJIT60
DERIVATIVE





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FIG. 5 AtH1 OVEREXPRESSION CAUSES A REDUCTION IN STEM ELONGATION

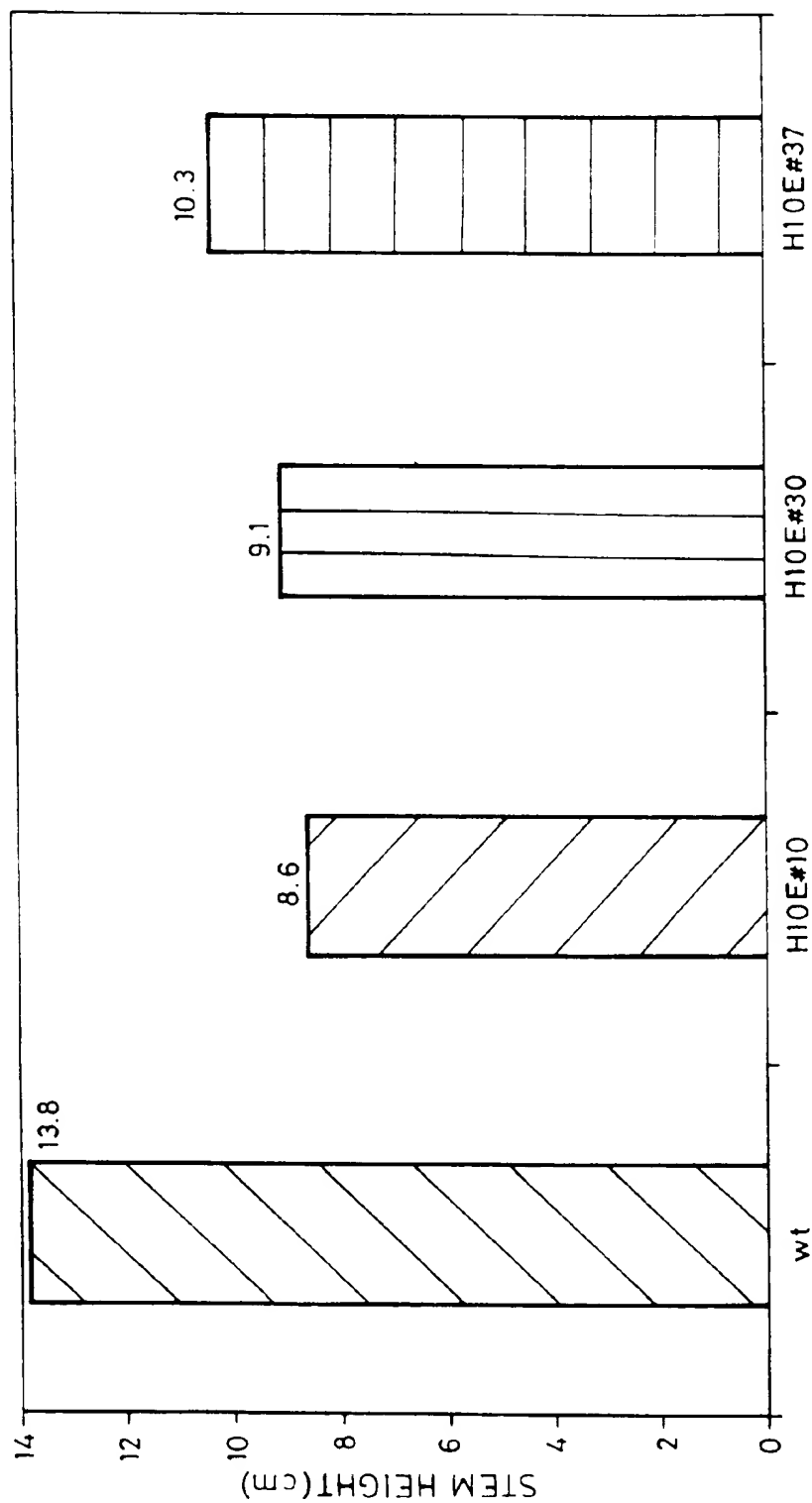
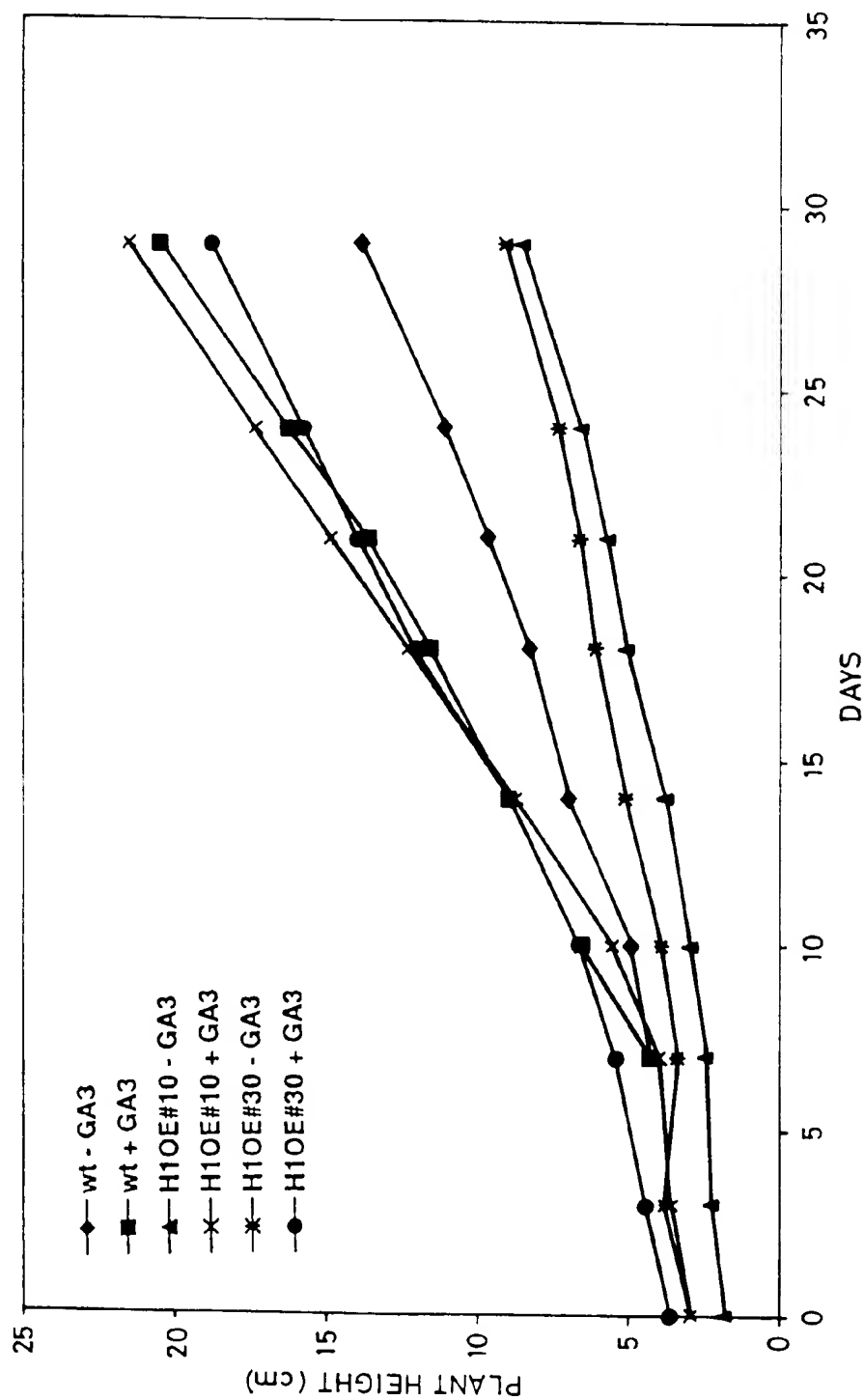


FIG. 6 REVERSION OF A1H1 OVEREXPRESSION PHENOTYPE BY GA3



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FIG. 7

FLOWERING TIME OF ATH1 TRANSGENES

